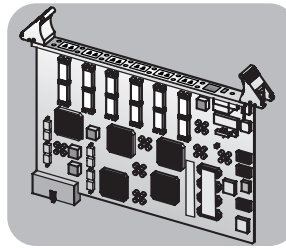


hp
StorageWorks

ESL E-Series e2400-FC 2Gb Interface Controller Replacement

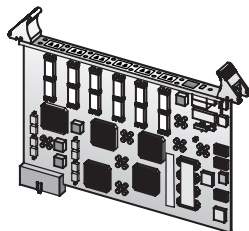
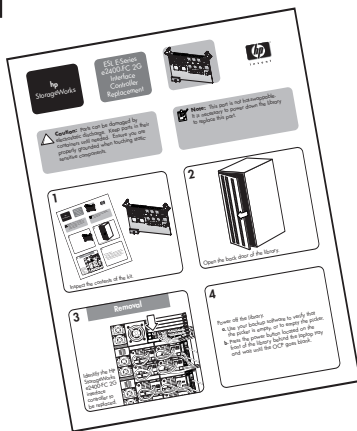


Caution: Parts can be damaged by electrostatic discharge. Keep parts in their containers until needed. Ensure you are properly grounded when touching static-sensitive components.



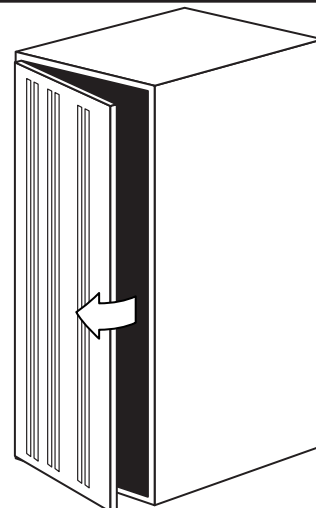
Note: This part is NOT hot-swappable. It is necessary to power down the library to replace this part.

1



Inspect the contents of the kit.

2

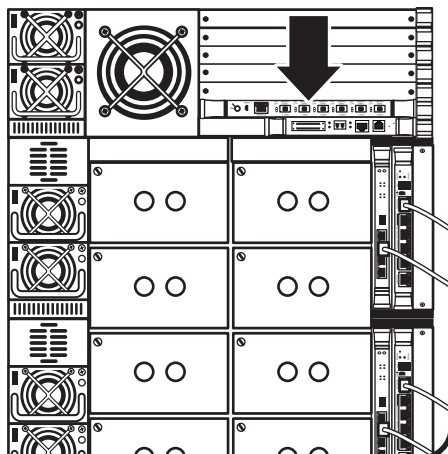


Open the back door of the library.

3

Removal

If you are replacing an interface controller, identify the HP StorageWorks e2400-FC 2Gb interface controller to be replaced.



4

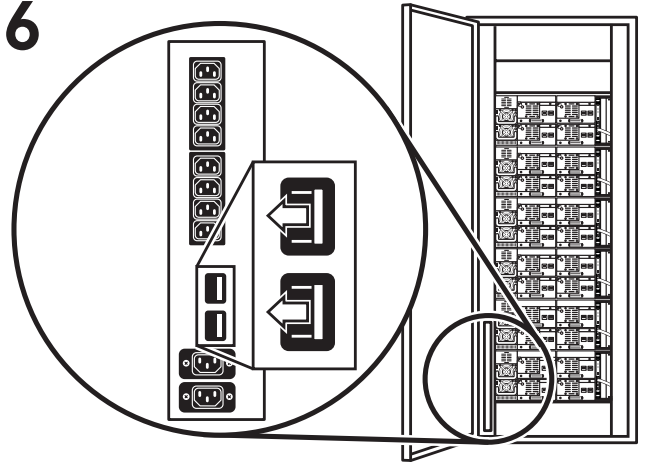
If you have Command View TL 2.0 and Interface Manager card firmware I200 or later, start the Hardware Replacement Wizard. In the Command View TL Library window, click the **Support** tab. In the left panel, select **Hardware Replacement**. Select **Actions > Launch Interface Controller Replacement Wizard**.

5

Power off the library.

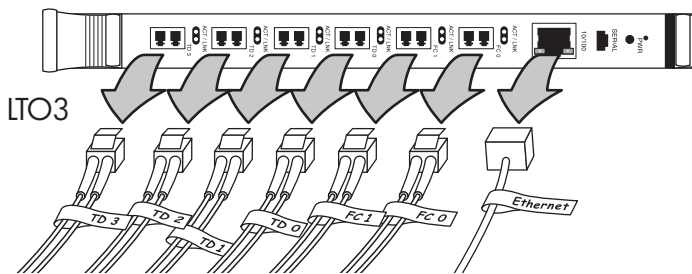
- a. Use your backup software to verify that the picker is empty, or to empty the picker.
- b. Press the power button located on the front of the library and wait until the OCP goes blank.

6

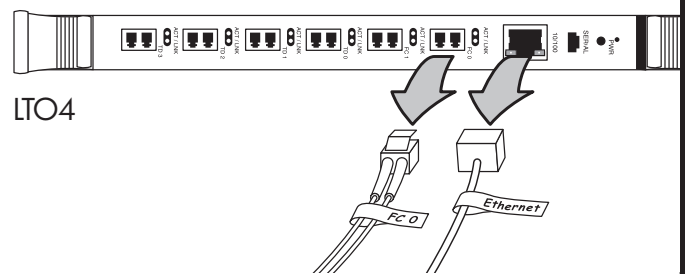


Flip the two breaker switches off (to the left) at the power distribution unit.

7

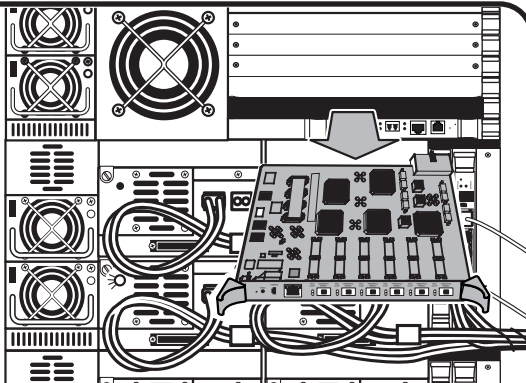


Take note of the cable connections for identical reconnection to the replacement controller. Carefully disconnect the Fibre Channel (FC) and Ethernet



cables from the e2400-FC 2Gb interface controller by pressing on the connector tabs and remove the cables.

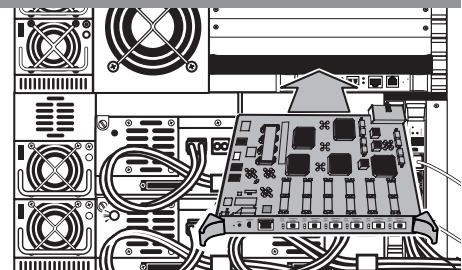
8



Use a #1 Phillips screwdriver to loosen the captive screws in the black ejector handles at both ends of the e2400-FC 2Gb interface controller. Push the ejector handles toward the outside, then pull on them to remove the controller.

9

Installation



Orient the interface controller as shown. Align the interface controller with the guides in the appropriate slot and slide it into the library. Push the ejector handles to the inside to fully seat the controller. Using a #1 Phillips screwdriver, tighten the ejector handle screws.

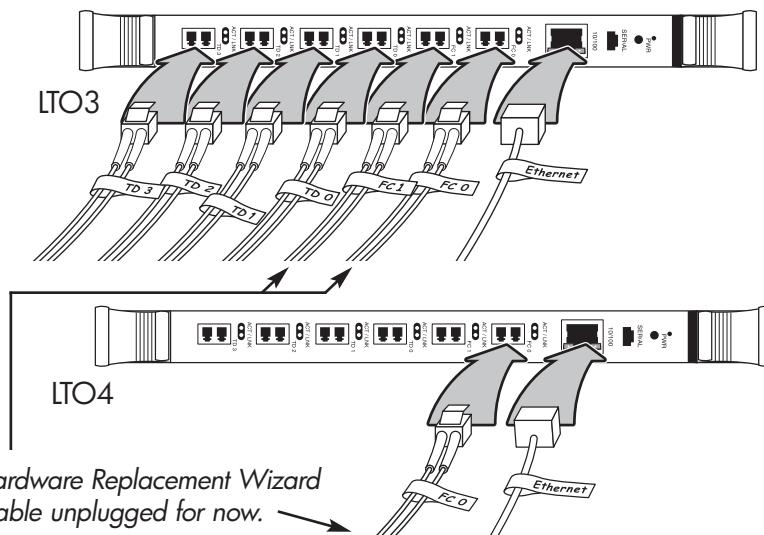
10

Reconnect the cables to the new interface controller exactly as they were connected to the original interface controller. If you are running the Hardware Replacement Wizard (see step 4), connect all cables except the FC0 and FC1 host ports. If you are not running the Hardware Replacement Wizard, connect all cables.

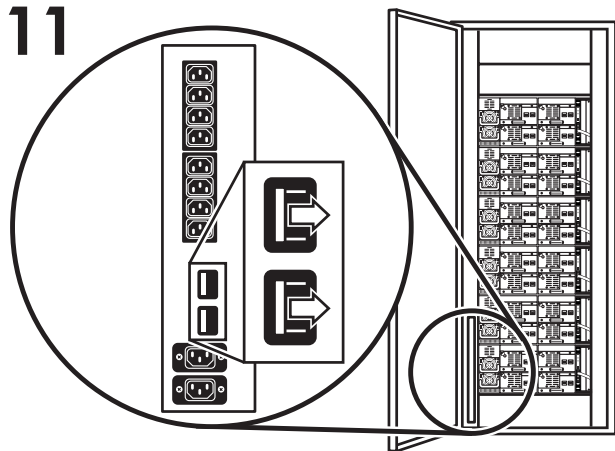


Note: If necessary, refer to the *HP StorageWorks ESL E-Series Tape Library Unpacking and Installation Guide* for detailed cabling configurations.

If you are running the Hardware Replacement Wizard (see step 4), leave this cable unplugged for now.



11



Flip the two breaker switches on at the power distribution unit.

12

Power on the library.

- Verify that power cables are firmly in place.
- Press the power button located on the front of the library.
- After several minutes, verify that the current state of the library appears in the System State display on the OCP (System On-line or System Off-line).

13

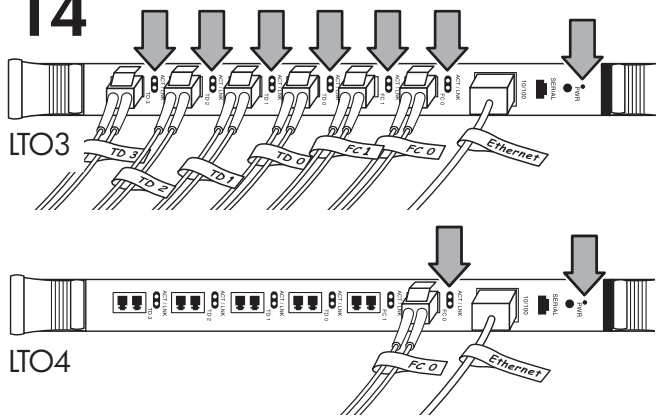
In this step, Command View TL or the Interface Manager card will make sure that all interface controller settings have been retained during the interface controller replacement.

If you are running the Command View TL Hardware Replacement Wizard (see step 4), complete it now by following the instructions on the screen.

If you are not running the Command View TL Hardware Replacement Wizard, but your Interface Manager card contains firmware version I200 or later, connect to the Interface Manager card using serial or telnet and start the CLI replacement wizard by executing the `replace interface` command.

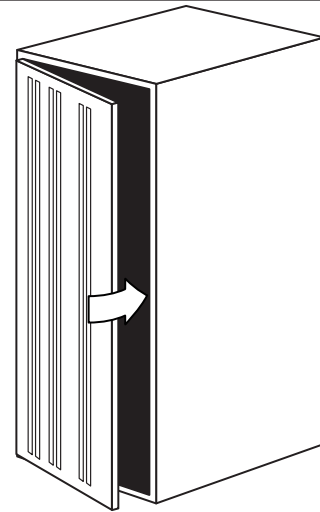
If you are not running the Command View TL Hardware Replacement Wizard and your Interface Manager card contains a firmware version earlier than I200, connect to the Interface Manager CLI and wait for any automatic FRU management processes to complete before continuing.

14



Verify that the power LED and Fibre link LEDs on the controller are solid green. The link LEDs indicate a good connection.

15



Close the back door of the library.

16

Configuration

Use the HP StorageWorks Interface Manager command-line interface or the HP StorageWorks Command View TL to verify detection of the new controllers, and to perform configuration and firmware updates, if necessary.

Refer to the *HP StorageWorks Interface Manager and Command View TL User Guide* for detailed procedures.

Getting help

- HP product information:
<http://www.hp.com/go/storage>
- HP technical support and phone numbers:
<http://www.hp.com/support>
- HP StorageWorks Library and Tape Tools (L&TT) diagnostic software:
<http://www.hp.com/support/tapetools>
- Interface Manager and HP StorageWorks Command View TL:
<http://www.hp.com/support/cvtl>
- HP manuals:
<http://www.hp.com/support/manuals>

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